PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 1 of 1

a conaction of information unless it displays	a vano CMB control number.
Application Number	10/629,023
Filing Date	July 28, 2003
First Named Inventor	Miri Seiberg
Group Art Unit	2643
Examiner Name	
Attorney Docket Number	J&J2078 CON1

				U.S. PATENT DOCUMENTS		
		U.S. Patent Do	cument		Date of Publication	Pages, Columns, Lines,
Examiner	Cite		Kind Code <sup>2</sup>	Name of Patentee or Applicant	of Cited Document	
Initials	No.'	Number	(if known)	of Cited Document	mm-dd-yyyy	or relevant figures appear
ļ	1		<del></del>		55 ////	
		1				
(				<u> </u>		
				<u>-</u>		
	Ī	-				
U		-	FORE	IGN PATENT DOCUMENTS		
	Ť	Foreign Patent			Date of Publication	Pages, Columns, Lines,

FOREIGN PATENT DOCUMENTS								
		_	Patent Doc	ument	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
Examiner Initials	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>	Applicant of Cited Document	mm-dd-yyyy	passages or relevant figures appear	T⁰
	<u> </u>			•				

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
VA-		BERNERD ET AL, "Sequence of Morphological Events During Topical Application of Retinoic Acid on the Rhino Mouse Skin", British Journal of Dermatology Vol. 125 (1991) pp 419-425.	
W		SCHWARTZMAN ET AL, "The Mexican Hairless Dog as a Model for Assessing the Comedolytic and Morphogenic Activity of Retinoids", British Journal of Dermatology, Vol. 134 (1996) pp 64-70.	
VA		ZHENG ET AL, "Topical All-trans Retinoic Acid Rapidly Corrects the Follicular Abnormalities of the Rhino Mouse", Acta Derm Venereol (Stockh), Vol. 73 (1993) pp 97-101.	

Examiner	1/ Alamania	Date	2-10-2MI
Signature	V. Myranala	Considered	3-18-WW

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.



#### SUBMISSION UNDER MPEP 609 D

Application Number 10/629,023
Filing Date July 28, 2003
First Named Inventor Min Seiberg
Group Art Unit 2643
Examiner Name
Attorney Docket Number J&J2078 CON1

Page 1 of 1

Examiner Initials No.1 Name of Patentee or Applicant of Cited Document Number (if known)

| Number | N

#### FOREIGN PATENT DOCUMENTS

		FUREIG		DOCUMENT			
Examiner Initials	Cite	Name of Patentee or Applicant of Cited Document	Foreign P	Patent Documen	indCode <sup>5</sup>	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>©</sup>
			ļ:				
					ļ		
				ļ			
·			ļ		ļ ·	•	<u> </u>
	<u> </u>	OTHER PRIOR ART -	100104750	T. 1750 AT 110	DOCUMEN	TC.	
Examiner 's Initials*	Cite No.1	Include name of the author (include name of the author (itide of the item (book, magazing volume-issue number)	CAPITOL LI e, journal, s	ETTERS), title serial, sympos	of the arti	cle (when appropriate), g, etc.), date, page(s),	T²
V/I		International Search Report dated Aug	just 25 <del>, 1988</del>	, for correspond	ling PCT/US	98/02618	
						· · · · · · · · · · · · · · · · · · ·	

E	17 17	Data	0 1 0 1 10 5	
Examiner	Manemora	Date	3-18-2005	
Signature	V. STWING	Considered	3-19-2003	

PTO/SB/08A (08-00)

Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 1 of 2

a collection of information unless it displays i	A VANO UMAS CONTRO INLIMBER.
Application Number	10/629,023
Filing Date	July 28, 2003
First Named Inventor	Miri Seiberg
Group Art Unit	2643
Examiner Name	
Attorney Docket Number	J&J2078 CON1

				U.S. PATENT DOCUMENTS		
		U.S. Patent Do	cument		Data of Data Footier	
Examiner Initials	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Oate of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appea
VA		5,215,740	A	Domke et al.	06-01-1993	
1		5,665,366	A	Rawlings et al.	09-09-1997	
		5,830,449	А	Afriat et al	11-03-1998	= EP 0 759 293
1/-		5,834,290	· A	Egetrud et al.	11-10-1998	·
VA		5,962,015	A	Delrieu et al.	10-05-1999	
						·
		1				1

#### **FOREIGN PATENT DOCUMENTS** Foreign Patent Document Date of Publication Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or ssages or relevant Cite Examiner mm-dd-yyyy **Applicant of Cited Document** Initials figures appear Office<sup>3</sup> Number<sup>4</sup> KindCode No. VA N EΡ 0 759 293 81 10-07-1998 = US 5,830,449 L'oreal N DE 17 92 508 Spofa Vereinigte Pharmazeutische 04-20-1972 English Abstract Y DE 43 05 460 A1 Scheller 8-25-1994 SU 1 690 764 A1 Flora Domestic Chem Prodn Assoc 11-15-1991 **English Abstract** Ν WO 84/02846 A1 Advanced Drug Technology Corp 08-02-1984 WO 94/19005 A1 Scheller 09-01-1994 **English Abstract** N WO .95/07688 A1 Unitever 03-23-1995 N wo 97/25059 A1 Beiersdorf AG 07-17-1997 **English Abstract** WO 97/47283 A1 Active Organics, Inc. 12-18-1997

Examiner	Afremova	Date	7-18-200
Signature	1. 4. 1. 4. 1. 4.	Considered	2 / 4 4 4 4 5

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number, 2 See attached Kinds of U.S. Patent Documents, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. s Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

PTO/S8/08A (08-00)
Approved for use through 10/31/2002, CMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a

Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 2 of 2

S CONSTITUTE DESCRIPTION OF SECTION OF AND AND ADDRESS OF	TOO OND GOLDON HOUSE,
Application Number	10/629,023
Filing Date	July 28, 2003
First Named Inventor	Miri Seiberg
Group Art Unit	2643
Examiner Name	
Attorney Docket Number	J&J2078 CON1

		OTUER REION ARY MON RATENT LIFERATURE AGRIMENTS	
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	T²
Examiner's	Cite	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	1-
Initials*	No.1	publisher, city and/or country where published	
VA-		STN, File Supplier, Karlsruhe, DE, File XP002073067, Chemical Abstracts, Vol. 127, AN=243233 (see abstract) 1997	
VA		DATABASE WPI, Week 9206, Derwent Publications Ltd., London, GB; AN 92-043740 XP002073069 & HU 57 608 A	
V4-		(PATONAY ET AL.) (see abstract) 199 (	
VA		STN, File Supplier, Karlsruhe, DE, file XP002073068, Chemical Abstracts, Vol. 118, AN=154179 (see abstract) & JP 04 364	7
/		119 A (TSUMURA AND CO.) 1992.	
VA-		Life Science 1995, Vol. 57, No. 13, pp 1293-1297 (1995) Topical Delivery of Growth Hormone Releasing Peptide Using	
		Liposomal Systems: An in Vitro Study Using Haairless Mouse Skin", Fleischer et al.	
VII.		Analytical Biochemistry 162, 156-159 (1987), "Single Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-	
		Phenol-Chlorogom Extraction*, Chomczynski et al.	
VA		Depts. Experimental Medicine and Cancer Research & Pathology, pp 493-501, "Identification of Programmed Cell Death in	١.
<del>-</del>		Situ via Specific Labeling of Nuclear DNA Fragmentation Gavriele, et al. 1992	
<i>i</i> î\		Journal of Investigative Dermatology, 83:110-113 (1984) Vol. 83, No. 2, "Topical and System Effects of Retinoids on Hom-	,
		Fille Utriculus Size in the Rhino Mouse. A Model to Quantify "Antikeratinizing" Effects of Retinoids", Mezick, et al.  Cutis Medicine for the Practitioner, Vol. 57, No. 15, "A Clinical Profile of Azelaic Acid" (January 1996)	
<del></del>		Skin Research & Technology (1995) 1:68-73, "Skin Biomechanical Properties; in Vivo Evaluation of Influence of Age and	——
j j		Body Site by a Non-invasive Method*, Couturaud, et al.	I
<del></del>		Cell Growth & Differentiation, Vol. 6, 239-250, (March 1995) "Apoptosis in Pam212, an Epidermal Keratinocyte Cell Line: A	
ŀ		Possible Role for bct-2 in Epidermal Differentiation*, Marthiuss, et al.	
	<del>.</del>	Cell Growth & Differentiation, Vol. 6, 807-816 (July 1995) "A Secreted Serine Protease Can Induce Apoptosis in Pam212	
1		Keratinocytes", Marthinuss, et al.	
+		Developmental Dynamics 208:553-564 (1997) "Trypsin-Induced Follicular Papilla Apoptosis Results in Delayed Hair Growth	
•		and Pigmentation', Seiberg, et al.	
		Arch Dermatol Res (1991) 283:100-107, "The Rhino Mouse Model: The Effects of Topically Applied all-trans Retinoic Acid	
1 1		and CD271 on the Fine Structure of the Epidermis and Utricle Wall of Pseudocomedones*, Bernerd et al.	•
		British Journal of Dermatology (1990) 122, 525-529, "In Vivo Tretinoin-Induced Changes in Skin Mechanical Properties",	
\ \		Berardesca, et al.	
		Skin Pharmacol (1991) 4:65-73. "Quantification of Epidermal Histological Changes Induced by Topical Retinoids and CD271	
\		in the Rhino Mouse Model Using a Standartzed Image Analysis Technique*, Bouclier, et al.	
		Pharmaceutical Research, Vol. 12, No. 8 (1995) "Influence of Nonionic Liposomal Composition on Topical Delivery of	
j		Peptide Drugs into Pilosebaceous Units: An In Vivo Study Using the Hamster Ear Model, Niemiec, et al.	. 1
		Science, Vol. 262 695-700 (October 29, 1993) "Programmed Cell Death and the Control of Cell Survivat Lessons from the	
ļ		Nervous System*, Raff et al.	
		The Journal of Dermatology, Vol. 15: 252-256 (1988) "Whole Mount Technique: An Improved Hamster Ear Model to	
		Evaluate Pharmacologic Effects on Sebaceous Glands*, Motoyoshi	
		Handbook of Mouse Mutations with Skin and Hair Abnormalities, The Jackson Laboratory, Bar Harbor, Maine 291-312	
		(1994) "Chapter 22, The Hairless (hr) and Phino (hrh) Mutations, Chromosome 14", Sundberg	
		The Journal of Investigative Dermatology, 62:268-287 (1974) "An Overview of Acne", Kligman	
		Seminars in Cancer Biology, Vol. 6, pp 3-16 (1995) "Cell Death in Health and Disease" the Biology and Regulation of	l
l-		Apoptosis*, Bellamy, et al.	
1 1		Proc. National Academy of Science, USA, Vol. 93, pp 2239-2244 (March 1996) Review "The Molecular Biology of	i
		Apoptosis*, Vaux et al.	ļ
1 .		Journal of American Academy of Dermatology 32:S31-41 (1995) "The Treatment of Acne: The Role of Combination	l
		Therapies" Berson, et al.	
1		The FASEB Journal, Reviews, Vol. 9, pp. 1277-1287 (October 1995) "The Biochemistry of Programmed Cell Death".	l
		Kroemer et al.	
		British Journal of Dermatology 122, 607-614 (1990) "Mechanical Properties of Human Forearm and Volvar Skin", Elsner et al.	
		Statistical Method in Biological Assay, Third Edition, Charles Griffin & Co. Ltd., London, pp 69-105 (1978) Finney	<u> </u>
1 1		Handbook of Non-Invasive Methods and the Skin, CRC Press, (1995) Chapter 14.1 pp 319-328, "Twistometry Measurement	
<b>V</b>		of Skin Elasticity, Agache*, Serup et el.	L
<i>V</i> 29-		The American Journal of Dermatopathology, Vol. 3, No. 2, (Summer 1981) "Tips for and Mostly by Technicians", Nygard et	ľ
٠,,		al., pp 199-201 "Luna's Technique" Kligman.	

Examiner V. Afnonova	Date Considered	3-18-2005

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>1</sup> Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.